

TI-25489.1

In the claims:

Claims 1-10 (canceled)

11. (canceled)

12. (canceled)

13. (canceled)

14. (previously presented) : An improved speech recognition system comprising:

a speech recognizer; and

a source normalization model coupled to said recognizer for recognizing incoming speech; said model derived by a method of source normalization training for HMM modeling comprising the steps of:

a) providing an initial speech recognition model and

b) performing on said initial speech recognition model the following steps to get a new speech recognition model:

b₁) estimation of intermediate quantities;

b₂) performing re-estimation to determine probabilities;

b₃) deriving mean vector and bias vector; and

b₄) solving jointly for mean vector and bias vector.

15.(previously presented) : The recognizer of Claim 14 including the step b₅) of replacing old speech recognition model for the calculated ones and step c) determining after a new speech recognition model is formed if it differs significantly from the previous speech recognition model and if so repeating the steps b₁-b₅.

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amendment
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A.A
4/29/05